BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:-MODIFIED ESTIMATE FOR DRILLING OF BOREWELLS AND PROVIDING WATER SUPPLY FACILITIES TO WARD NO. 01, 02, 03 & 04

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
1	Geophysical investigation at site for sinking borewells for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including econnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test (PWD SR 2021-22 Vol-V Page No.152, Item No.4)								
	For Bore Well								
	Ambha Bhavani Nagara 2nd Main		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Kondappa Layout Lake Side		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1				1.00		
		Each BW					**10.00**	**5929.37**	**59293.72**
	Approved Amount		5929.37						
2	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimumworking of compressor for one hour (Excluding cost of casing pipes,collars, cap etc., complete) (PWD SR 2021-22 Vol-V Page No.151, Item No.1)								
	0-50mtrs	Rmtr							
	Ambha Bhavani Nagara 2nd Main		1	50.00			50.00		
	BHEL Layout 10th Cross		1	50.00			50.00		
	Baglur Cross Udayanagar		1	50.00			50.00		
	Kondappa Layout Lake Side		1	50.00			50.00		
	Chowdeshwari Temple		1	50.00			50.00		
	Srinivashpura[Bande Maramma Temple]		1	50.00			50.00		

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Doddbettahalli Giridama Nagara		1	50.00			50.00		
	Doddbettahalli Layout 7th Main		1	50.00			50.00		
	Old Town BBMP Office Near Panduranga Temple		1	50.00			50.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1	50.00			50.00		
							500.00	**334.47**	**167235.75**
	Approved Amount		334.47						
3	50-100mtrs(PWD SR 2021-22 Vol-V Page No.151, Item No.1.2)	Rmtr							
	Ambha Bhavani Nagara 2nd Main		1	50.00			50.00		
	BHEL Layout 10th Cross		1	50.00			50.00		
	Baglur Cross Udayanagar		1	50.00			50.00		
	Kondappa Layout Lake Side		1	50.00			50.00		
	Chowdeshwari Temple		1	50.00			50.00		
	Srinivashpura[Bande Maramma Temple]		1	50.00			50.00		
	Doddbettahalli Giridama Nagara		1	50.00			50.00		
	Doddbettahalli Layout 7th Main		1	50.00			50.00		
	Old Town BBMP Office Near Panduranga Temple		1	50.00			50.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1	50.00			50.00		
							500.00	**419.82**	**209909.70**
	Approved Amount		419.82						
4	100-150mtrs (PWD SR 2021-22 Vol-V Page No.151, Item No.1.3)	Rmtr							
	Ambha Bhavani Nagara 2nd Main		1	50.00			50.00		
	BHEL Layout 10th Cross		1	50.00			50.00		
	Baglur Cross Udayanagar		1	50.00			50.00		
	Kondappa Layout Lake Side		1	50.00			50.00		
	Chowdeshwari Temple		1	50.00			50.00		
	Srinivashpura[Bande Maramma Temple]		1	50.00			50.00		
	Doddbettahalli Giridama Nagara		1	50.00			50.00		
	Doddbettahalli Layout 7th Main		1	50.00			50.00		
	Old Town BBMP Office Near Panduranga Temple		1	50.00			50.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1	50.00			50.00		
							500.00	**446.35**	**223173.23**
	Approved Amount		446.35						

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	150-200mtrs (PWD SR 2021-22 Vol-V Page No.151, Item No.1.4)	Rmtr							
	Ambha Bhavani Nagara 2nd Main		1	50.00			50.00		
	BHEL Layout 10th Cross		1	50.00			50.00		
	Baglur Cross Udayanagar		1	50.00			50.00		
	Kondappa Layout Lake Side		1	50.00			50.00		
	Chowdeshwari Temple		1	50.00			50.00		
	Srinivashpura[Bande Maramma Temple]		1	50.00			50.00		
	Doddbettahalli Giridama Nagara		1	50.00			50.00		
	Doddbettahalli Layout 7th Main		1	50.00			50.00		
	Old Town BBMP Office Near Panduranga Temple		1	50.00			50.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1	50.00			50.00		
							500.00	**517.85**	**258927.08**
	Approved Amount		517.85						
6	200-250mtrs (PWD SR 2021-22 Vol-V Page No.151, Item No.1.5)	Rmtr							
	Ambha Bhavani Nagara 2nd Main		1	50.00			50.00		
	BHEL Layout 10th Cross		1	50.00			50.00		
	Baglur Cross Udayanagar		1	50.00			50.00		
	Kondappa Layout Lake Side		1	50.00			50.00		
	Chowdeshwari Temple		1	50.00			50.00		
	Srinivashpura[Bande Maramma Temple]		1	50.00			50.00		
	Doddbettahalli Giridama Nagara		1	50.00			50.00		
	Doddbettahalli Layout 7th Main		1	50.00			50.00		
	Old Town BBMP Office Near Panduranga Temple		1	50.00			50.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1	50.00			50.00		
							500.00	**607.82**	**303907.73**
	Approved Amount		607.82						
7	250-300mtrs (PWD SR 2021-22 Vol-V Page No.151, Item No.1.6)	Rmtr							
	Ambha Bhavani Nagara 2nd Main		1	50.00			50.00		
	BHEL Layout 10th Cross		1	50.00			50.00		
	Baglur Cross Udayanagar		1	50.00			50.00		
	Kondappa Layout Lake Side		1	50.00			50.00		
	Chowdeshwari Temple		1	50.00			50.00		
	Srinivashpura[Bande Maramma Temple]		1	50.00			50.00		

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Doddbettahalli Giridama Nagara		1	50.00			50.00		
	Doddbettahalli Layout 7th Main		1	50.00			50.00		
	Old Town BBMP Office Near Panduranga Temple		1	50.00			50.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1	50.00			50.00		
							500.00	**643.57**	**321784.65**
	Approved Amount		643.57						
8	300-350mtrs (PWD SR 2021-22 Vol-V Page No.151, Item No.1.7)	Rmtr							
	Ambha Bhavani Nagara 2nd Main		1	50.00			50.00		
	BHEL Layout 10th Cross		1	50.00			50.00		
	Baglur Cross Udayanagar		1	50.00			50.00		
	Kondappa Layout Lake Side		1	50.00			50.00		
	Chowdeshwari Temple		1	50.00			50.00		
	Srinivashpura[Bande Maramma Temple]		1	48.00			48.00		
	Doddbettahalli Giridama Nagara		1	50.00			50.00		
	Doddbettahalli Layout 7th Main		1	50.00			50.00		
	Old Town BBMP Office Near Panduranga Temple		1	47.00			47.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1	50.00			50.00		
							495.00	**715.08**	**353963.12**
	Approved Amount		715.08						
9	Supply of ISI mark 175mm nominal bore,plain and steel casing pipe grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m. prices include Collar-Medium duty. (PWD SR 2021-22 Vol-V Page No.154, Item No.32)								
		Rmtr							
	For Bore Well								
	Ambha Bhavani Nagara 2nd Main		1	56.00			56.00		
	BHEL Layout 10th Cross		1	64.00			64.00		
	Baglur Cross Udayanagar		1	65.00			65.00		
	Kondappa Layout Lake Side		1	54.00			54.00		
	Chowdeshwari Temple		1	57.00			57.00		
	Srinivashpura[Bande Maramma Temple]		1	53.00			53.00		
	Doddbettahalli Giridama Nagara		1	56.00			56.00		
	Doddbettahalli Layout 7th Main		1	53.00			53.00		

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Old Town BBMP Office Near Panduranga Temple		1	54.00			54.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1	56.00			56.00		
							568.00	**2229.43**	**1266313.71**
	Approved Amount		2229.43						
10	PVC pipes of 10 Kg/cm2 for 200mm (PWD SR 2021-22 Vol-V Page No.35, Item No.1188)								
		m							
	For Bore Well								
	Ambha Bhavani Nagara 2nd Main		1	15.00			15.00		
	BHEL Layout 10th Cross		1	20.00			20.00		
	Baglur Cross Udayanagar		1	15.00			15.00		
	Kondappa Layout Lake Side		1	15.00			15.00		
	Chowdeshwari Temple		1	10.00			10.00		
	Srinivashpura[Bande Maramma Temple]		1	20.00			20.00		
	Doddbettahalli Giridama Nagara		1	22.00			22.00		
	Doddbettahalli Layout 7th Main		1	15.00			15.00		
	Old Town BBMP Office Near Panduranga Temple		1	12.00			12.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1	10.00			10.00		
							154.00		
					Upto 125 %		**112.50**	**1393.46**	**156763.86**
					Above 125%		**41.50**	**1393.46**	**57828.44**
	Approved Amount		1393.46						
11	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge (PWD SR 2021-22 Vol-V Page No.155, Item No.34)								
		Each							
	For Bore Well								
	Ambha Bhavani Nagara 2nd Main		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Kondappa Layout Lake Side		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
	Ambha Bhavani Nagara 2nd Main 2nd Cross		1				1.00		

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
							10.00	**189.15**	**1891.49**
	Approved Amount		189.15						
12	Fabricating supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. (PWD Electrical SR 2022-23 Vol-VI Page No.15, Item								
		Sq.cm							
	For Bore Well								
	Vasuki Layout[Sambram College]		1	1100.00	20.00		22000.00		
	BHEL Layout 10th Cross		1	1100.00	20.00		22000.00		
	Baglur Cross Udayanagar		1	1100.00	20.00		22000.00		
	Chowdeshwari Temple		1	1100.00	20.00		22000.00		
	Srinivashpura[Bande Maramma Temple]		1	1100.00	20.00		22000.00		
	Doddbettahalli Giridama Nagara		1	1100.00	20.00		22000.00		
	Doddbettahalli Layout 7th Main		1	1100.00	20.00		22000.00		
	Old Town BBMP Office Near Panduranga Temple		1	1100.00	20.00		22000.00		
							176000.00	**0.40**	**70400.00**
	Approved Amount		0.40						
13	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI Union confirming to IS 1239-II. 1991 with latest amendments if any (PWD SR 2021-22 Vol-V Page No.145, Item No.13.6)								
		Each							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**252.58**	**2020.67**
	Approved Amount		252.58						
14	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any. (PWD SR 2021-22 Vol-V Page No.146, Item No.15.6)								
		Each							
	For Bore Well								
	Vasuki Layout[Sambram College]		1	3.00			3.00		
	BHEL Layout 10th Cross		1	3.00			3.00		
	Baglur Cross Udayanagar		1	3.00			3.00		
	Chowdeshwari Temple		1	3.00			3.00		

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Srinivashpura[Bande Maramma Temple]		1	3.00			3.00		
	Doddbettahalli Giridama Nagara		1	3.00			3.00		
	Doddbettahalli Layout 7th Main		1	3.00			3.00		
	Old Town BBMP Office Near Panduranga Temple		1	3.00			3.00		
							24.00	**201.84**	**4844.07**
	Approved Amount		201.84						
15	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any for: (PWD SR 2021-22 Vol-V Page No.144, Item No.7.6)								
		Each							
	For Bore Well								
	Vasuki Layout[Sambram College]		1	3.00			3.00		
	BHEL Layout 10th Cross		1	3.00			3.00		
	Baglur Cross Udayanagar		1	3.00			3.00		
	Chowdeshwari Temple		1	3.00			3.00		
	Srinivashpura[Bande Maramma Temple]		1	3.00			3.00		
	Doddbettahalli Giridama Nagara		1	3.00			3.00		
	Doddbettahalli Layout 7th Main		1	3.00			3.00		
	Old Town BBMP Office Near Panduranga Temple		1	3.00			3.00		
							24.00	**252.58**	**6061.92**
	Approved Amount		252.58						
16	Labour charges for Erection, Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work. (PWD SR 2021-22 Vol-V Page No.163, Item No.38)								
		Job							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**7093.10**	**56744.82**
	Approved Amount		7093.10						

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
17	Labour charges for erection of outdoor type panel board and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work. (PWD SR 2021-22 Vol-V Page No.163, Item No.40)								
		Job							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**1557.02**	**12456.18**
	Approved Amount		1557.02						
18	Supplying of 1.1KV LT UG cable XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm (Ele SR 2019-20 P-No 40 I/No-6.4.4)								
		Rmtr							
	For Bore Well								
	Vasuki Layout[Sambram College]		1	37.00			37.00		
	BHEL Layout 10th Cross		1	35.00			35.00		
	Baglur Cross Udayanagar		1	40.00			40.00		
	Chowdeshwari Temple		1	40.00			40.00		
	Srinivashpura[Bande Maramma Temple]		1	42.00			42.00		
	Doddbettahalli Giridama Nagara		1	55.00			55.00		
	Doddbettahalli Layout 7th Main		1	42.00			42.00		
	Old Town BBMP Office Near Panduranga Temple		1	42.00			42.00		
							333.00	**157.28**	**52374.24**
	Approved Amount		157.28						
19	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm. (Ele SR OF 2019-20 P-No 41 I/No-6.5.1)								
		Rmtr							
	For Bore Well								
	Vasuki Layout[Sambram College]		1	37.00			37.00		
	BHEL Layout 10th Cross		1	35.00			35.00		
	Baglur Cross Udayanagar		1	40.00			40.00		
	Chowdeshwari Temple		1	40.00			40.00		

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Srinivashpura[Bande Maramma Temple]		1	42.00			42.00		
	Doddbettahalli Giridama Nagara		1	55.00			55.00		
	Doddbettahalli Layout 7th Main		1	42.00			42.00		
	Old Town BBMP Office Near Panduranga Temple		1	42.00			42.00		
							333.00	**12.46**	**4149.18**
	Approved Amount		12.46						
20	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces(P.No - 41, I.No -6.6.3, KPWD Electrical SR 19-20)								
		Mtr							
	For Bore Well								
	Vasuki Layout[Sambram College]		1	35.00			35.00		
	BHEL Layout 10th Cross		1	35.00			35.00		
	Baglur Cross Udayanagar		1	38.00			38.00		
	Chowdeshwari Temple		1	40.00			40.00		
	Srinivashpura[Bande Maramma Temple]		1	42.00			42.00		
	Doddbettahalli Giridama Nagara		1	50.00			50.00		
	Doddbettahalli Layout 7th Main		1	42.00			42.00		
	Old Town BBMP Office Near Panduranga Temple		1	42.00			42.00		
							324.00	**85.98**	**27857.52**
	Approved Amount		85.98						
21	Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm (P.No - 41, I.No -6.9.1, KPWD Electrical SR 19-20)								
		Mtr							
	For Bore Well								
	Vasuki Layout[Sambram College]		1	4.00			4.00		
	BHEL Layout 10th Cross		1	4.00			4.00		
	Baglur Cross Udayanagar		1	4.00			4.00		
	Chowdeshwari Temple		1	4.00			4.00		
	Srinivashpura[Bande Maramma Temple]		1	4.00			4.00		
	Doddbettahalli Giridama Nagara		1	4.00			4.00		
	Doddbettahalli Layout 7th Main		1	4.00			4.00		
	Old Town BBMP Office Near Panduranga Temple		1	4.00			4.00		
							32.00	**351.25**	**11239.92**
	Approved Amount		351.25						

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
22	Earthing: Supplying and fixing and wiring earth electrode for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia (PWD SR 2021-22 Vol-V Page No.164, Item No.45)								
		Job							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**4325.06**	**34600.50**
	Approved Amount		4325.06						
23	Providing,Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. 3½x6 Sqm (PWD SR 2021-22 Vol-V Page No.164, Item No.44.1)								
		Each							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**593.98**	**4751.80**
	Approved Amount		593.98						
24	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5" (PWD Electrical SR 2022-23 Vol-VI Part-I Page No.10, Item No.5.6.6)								
		Nos							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**330.28**	**2642.22**
	Approved Amount		330.28						
25	Providing,supplying to work site, Submersible Pump Set of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 17.50 HP - 120 LPM @ 308 m = 26 STG Outlet Dia - 2.00" (PWD SR 2021-22 Vol-V Page No.161. Item No. 19.6)								
		Each							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**82792.71**	**662341.64**
	Approved Amount		82792.71						
26	Supply and delivery of galvanized mild steel tubes of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) (PWD SR 2021-22 Vol-V Page No.162, Item No.33.1)								
		Each							
	For Bore Well								
	Vasuki Layout[Sambram College]		46				46.00		
	BHEL Layout 10th Cross		45				45.00		
	Baglur Cross Udayanagar		48				48.00		
	Srinivashpura[Bande Maramma Temple]		51				51.00		
	Doddbettahalli Giridama Nagara		49				49.00		
	Doddbettahalli Layout 7th Main		55				55.00		
	Old Town BBMP Office Near Panduranga Temple		48				48.00		
							342.00	**3517.72**	**1203060.24**
	Approved Amount		3517.72						

	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
27	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2 (PWD Electrical SR 2022-23 Vol-VI Page No.4, Item No.2.6.4)								
		Mtr							
	For Bore Well								
	Vasuki Layout[Sambram College]		2	276.00			552.00		
	BHEL Layout 10th Cross		2	270.00			540.00		
	Baglur Cross Udayanagar		2	288.00			576.00		
	Chowdeshwari Temple		2	366.00			732.00		
	Srinivashpura[Bande Maramma Temple]		2	306.00			612.00		
	Doddbettahalli Giridama Nagara		2	294.00			588.00		
	Doddbettahalli Layout 7th Main		2	330.00			660.00		
	Old Town BBMP Office Near Panduranga Temple		2	288.00			576.00		
							4836.00	**253.74**	**1227086.64**
	Approved Amount		253.74						
28	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP (PWD Electrical SR 2022-23 Vol-VI Page No.10, Item No.5.2.2)								
		Nos							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**9059.04**	**72472.32**
	Approved Amount		9059.04						
29	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm (PWD SR 2021-22 Vol-V Page No.162, Item No.27.1)								
		Each							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		

No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**1441.69**	**11533.50**
	Approved Amount		1441.69						
30	Supply and delivery at site of brand new best make non-return valve as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm (PWD SR 2021-22 Vol-V Page No.162, Item No.28.1)								
		Each							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**1470.52**	**11764.17**
	Approved Amount		1470.52						
31	Supply and delivery at site delivery of best indigenous brand new MCB (Miniature Circuit Breakers) of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box. (PWD SR 2021-22 Vol-V Page No.162, Item No.32)								
		EACH							
	For Bore Well								
	Vasuki Layout[Sambram College]		1				1.00		
	BHEL Layout 10th Cross		1				1.00		
	Baglur Cross Udayanagar		1				1.00		
	Chowdeshwari Temple		1				1.00		
	Srinivashpura[Bande Maramma Temple]		1				1.00		
	Doddbettahalli Giridama Nagara		1				1.00		
	Doddbettahalli Layout 7th Main		1				1.00		
	Old Town BBMP Office Near Panduranga Temple		1				1.00		
							8.00	**1441.69**	**11533.50**
	Approved Amount		1441.69						

No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
32	Earth work excavation for pipelines/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. (PWD SR 2021-22 Vol -I Pg No 6 item no 1.6.1)								
	For Connecting borewell	Cum							
	For Pipe Line								
	Vasuki Layout[Sambram College]		1	189.00	0.70	0.75	99.23		
	BHEL Layout 10th Cross		1	510.60	0.70	0.75	268.07		
	Baglur Cross Udayanagar		1	38.00	0.70	0.75	19.95		
	Chowdeshwari Temple		1	117.60	0.70	0.75	61.74		
	Chowdeshwari		1	508.00	0.70	0.75	266.70		
	Srinivashpura[Bande Maramma Temple]		1	1047.50	0.70	0.75	549.94		
	Doddbettahalli Giridama Nagara		1	462.00	0.70	0.75	242.55		
	Doddbettahalli Layout 7th Main		1	38.50	0.70	0.75	20.21		
							1528.38	**542.07**	**828488.95**
	Approved Amount		542.07						
33	Providing and installing at site of work 6 Kg/m2: 63mm(weight of pipe -0.662 kg) P.V.C. pipes including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc. complete. (PWD SR 2021-22 Vol-V Page No.140, Item No.13)								
		mtr							
	For Pipe Line								
	Vasuki Layout[Sambram College]		1	189.00			189.00		
	BHEL Layout 10th Cross		1	510.60			510.60		
	Baglur Cross Udayanagar		1	38.00			38.00		
	Chowdeshwari Temple		1	117.60			117.60		
	Chowdeshwari		1	508.00			508.00		
	Srinivashpura[Bande Maramma Temple]		1	1047.50			1047.50		
	Doddbettahalli Giridama Nagara		1	462.00			462.00		
	Doddbettahalli Layout 7th Main		1	38.50			38.50		
							2911.20	**176.46**	**513710.35**
	Approved Amount		176.46						
34	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications (PWD SR 2021-22 Vol -I Pg No 7 item no 1.10)								
		Cum							
	For Pipe Line								

No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Vasuki Layout[Sambram College]		1	189.00	0.70	0.75	99.23		
	BHEL Layout 10th Cross		1	510.60	0.70	0.75	268.07		
	Baglur Cross Udayanagar		1	38.00	0.70	0.75	19.95		
	Chowdeshwari Temple		1	117.60	0.70	0.75	61.74		
	Chowdeshwari		1	508.00	0.70	0.75	266.70		
	Srinivashpura[Bande Maramma Temple]		1	1047.50	0.70	0.75	549.94		
	Doddbettahalli Giridama Nagara		1	462.00	0.70	0.75	242.55		
	Doddbettahalli Layout 7th Main		1	38.50	0.70	0.75	20.21		
							1528.38	**140.71**	**215058.35**
	Approved Amount		140.71						
E1	Supplying, laying and jointing HDPE pipes of specified grade andconforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth availablefrom the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. Note: Upto 110mm dia Coil shall be used.For Grade PE80 PN16.0 :(I NO-5.1, P no-123 BWSSB SR)								
		mtr							
	Chowdeshwari Temple		1	366.10			366.10		
							366.10	**275.78**	**100963.06**
	Basic Rate	**239.00**							
	Area Weightage 10%	23.90							
	Sub Total	**262.90**							
	Above Tp 4.90%	12.88							
	Total Rate	**275.78**							
E2	Sinking of Borewell of 165mm dia clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimumworking of compressor for one hour (Excluding cost of casing pipes,collars, cap etc., complete) and as per the directions of the Engineer-in-charge of the work 350.00-400.00M								
		mtr							
	350.00-400mtrs								
	For Bore Well								
	Ambha Bhavani Nagara 2nd Main		1	14.00			14.00		
	BHEL Layout 10th Cross		1	11.00			11.00		
	Baglur Cross Udayanagar		1	12.00			12.00		
	Chowdeshwari Temple		1	12.00			12.00		
	Doddbettahalli Giridama Nagara		1	3.00			3.00		
	Doddbettahalli Layout 7th Main		1	9.00			9.00		
							61.00	**804.27**	**49060.37**
	Basic Rate	**697.00**							
	Area Weightage 10%	69.70							
	Sub Total	**766.70**							

No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
	Above Tp 4.90%	37.57							
	Total Rate	**804.27**							
	BESCOM Charges	Nos						140000	140000.00
								Total Construction Cost	**8718208.60**
								GST Charges 18%	**1544077.55**
								Grand Total	**10262286.15**

Assistant Engineer
BBMP

W-03/4/04.

Assistant Executive Engineer
Yelahanka Sub. Divisor
BBMP (Ynk. Zn)
Yelahanka, Bangalore

Executive Engineer
BBMP

Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Yelahanka, Division

Technical Sanction
Accorded For RS/02/228615
Head of A/C P3075
CER NO : 02 **Dt:** 24/04/23

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